

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,412,280 B2
APPLICATION NO. : 10/611296
DATED : August 12, 2008
INVENTOR(S) : Sara Rose Hertel et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 9, line 64, Claim 11, please add --is-- between "program" and "configured"

Column 10, lines 2-3, Claim 12, please add --is-- between "program" and "configured"

Column 10, line 8, Claim 13, please add --is-- between "program" and "configured"

Column 10, line 13, Claim 14, please add --is-- between "program" and "configured"

Column 10, line 19, Claim 15, please add --is-- between "program" and "configured"

Column 10, lines 23-24, Claim 16, please add --is-- between "program" and "configured"

Column 10, line 47, Claim 18, please delete "and" after "region of interest in the first image;"

Column 10, line 55, Claim 18, please delete "o" between "size" and "the" and insert --of-- between "size" and "the";

Column 10, line 59, Claim 19, please add --is-- between "controller" and "configured"

Column 11, line 3, Claim 21, please add --is-- between "controller" and "configured"

Claims 11-16 should read as follows:

Column 9: 11. A computer-readable medium in accordance with Claim 10 wherein to obtain the PET image the program is configured to obtain the PET image containing the abnormality using a PET scanner within a short amount of time after obtaining the CT image.

Column 10: 12. A computer-readable medium in accordance with Claim 10 wherein to select the first region of interest the program is configured to wait for a user to select the first region of interest located within the CT image.

Column 10: 13. A computer-readable medium in accordance with Claim 10 wherein to determine the relative metabolic activity the program is configured to determine a relative metabolic activity based in part on the anatomical size of the first region of interest.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 10: 14. A computer-readable medium in accordance with Claim 10 wherein to determine the relative metabolic activity the program is configured to distinguish metabolic activity within the second region of interest from background metabolic activity.

Column 10: 15. A computer-readable medium in accordance with Claim 10 wherein to determine the relative metabolic activity the program is configured to determine whether the metabolic activity within the second region of interest has a likelihood of being related to the abnormality.

Column 10: 16. A computer-readable medium in accordance with Claim 10 wherein to determine the anatomical size the program is configured to determine at least one of an area of the first region of interest and a volume of the first region of interest.

Claims 18, 19 and 21 should read as follows:

Column 10: 18. An imaging system for analyzing at least one abnormality of an object, the imaging system comprising:
a radiation source;
a radiation detector; and
a controller operationally coupled to the radiation source and the radiation detector, the controller configured to:
obtain a first image containing an abnormality by performing a computed tomography (CT) scan of an object;
obtain a second image containing the abnormality by performing a positron emission tomography (PET) scan of the object;
select a first region of interest located within the first image;
determine an anatomical size of the abnormality based on the first region of interest in the first image; and
determine a relative metabolic activity based on a second region of interest located on the second image; and
determine a specific metabolic activity within the first region of interest of the first image by mathematically interpolating the relative metabolic activity within the second region of interest of the second image based on the anatomical size of the first region of interest of the first image, wherein the determined specific metabolic activity is at least one of stored and displayed.

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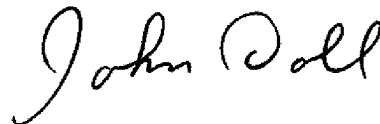
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 10: 19. An imaging system in accordance with Claim 20 wherein to obtain the second image the controller is configured to obtain the second image containing the abnormality using a PET scanner within a short amount of time after obtaining the first image.

Column 11: 21. An imaging system in accordance with Claim 20 wherein to determine the relative metabolic activity the controller is configured to determine a relative metabolic activity is based in part on the anatomical size of the first region of interest.

Signed and Sealed this

Seventh Day of July, 2009

A handwritten signature in black ink, reading "John Doll". The signature is written in a cursive, flowing style with a large initial "J".

JOHN DOLL
Acting Director of the United States Patent and Trademark Office